BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 39

29/12/2020

Item Name: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Build Area								
	1.00	5.60	4.70	4.70	4.70	0.15	3.95	
Total Qty Work Done							3.95	Cum
Qty Payable in this bill							3.95	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

29/12/2020

Assistant Engineer
Ward No 17

29/12/2020

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 40 — 31/12/2020

Item Name: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. No. KBS 2.1(b) / 2.3.5. as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Footing								
Long Wall	2	4.40	1.10	1.10	1.10	1.20	11.62	
Short Wall	2	4.50	1.10	1.10	1.10	1.20	11.88	
For Gagibo	2	17.00	1.10	1.10	1.10	1.20	44.88	
						Total Qty Work Done	68.38	Cum
						Qty Payable in this bill	68.38	Cum

Contractor Representative

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

31/12/2020

Assistant Engineer
Ward No 17

31/12/2020

Asst Executive Engineer
Yashwanthapura Sub Division

Asst Executive Engineer
Yashwanthapura Sub-Division
Bruhat Bangalore Mahanaga

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 41 — 06/01/2021

Item Name: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Bed Concrete								
Footing								
Long Wall	2	4.40	1.10	1.10	1.10	0.15	1.45	
Short Wall	2	4.50	1.10	1.10	1.10	0.15	1.49	
For Gagibo	2	17.00	1.10	1.10	1.10	0.15	5.61	
Bed Flooring								
Flatform	1	3.95	4.05	4.05	4.05	0.15	2.40	
						Total Qty Work Done	10.95	Cum
						Qty Payable in this bill	10.95	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

06/01/2021

Assistant Engineer
Ward No 17

06/01/2021

Asst.Executive Engineer
Pashyanthapura Sub Division

Executive Engineer
Yeshwanthapura Sub-Div
Bruhat Bangalore Mahanag

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 42 — 08/01/2021

Item Name: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Foundation								
Long Wall	2	3.90	0.75	0.75	0.75	0.60	3.51	
Short Wall	2	5.00	0.75	0.75	0.75	0.60	4.50	
For Gagibo	2	17.00	0.75	0.75	0.75	0.60	15.30	
						Total Qty Work Done	23.31	Cum
						Qty Payable in this bill	23.31	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

08/01/2021

Assistant Engiheer
Ward No 17

08/01/2021

Asst. Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara...

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 43

08/01/2021

Item Name: Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Basement									
Long Wall		2	4.25	0.60	0.60	0.60	0.80	4.08	
Short Wall		2	4.65	0.60	0.60	0.60	0.80	4.46	
For Gagibo		2	17.00	0.60	0.60	0.60	0.80	16.32	
							Total Qty Work Done	24.86	Cum
							Qty Payable in this bill	24.86	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 44 — 09/01/2021

Item Name: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications, as per the direction of Engineer in charge

	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	Pointing									
	Long Wall		2	4.25				0.80	6.80	
	Short Wall		1	4.65				0.80	3.72	
	For Gagibo		2	17.00				0.80	27.20	
								Total Qty Work Done	37.72	Sqm
								Qty Payable in this bill	37.72	Sqm

Contractor Representative

SAFE BANGALORE CONSULTANTS

Consultant Representative

09/01/2021

Assistant Engineer
Ward No 17

09/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 45

Item Name: Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2 as per the direction of Engineer in charge

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Filling Sand								
Total Earth Work							68.38	
Deduction								
Bed Concrete							-10.95	
Fondation							-23.31	
Basement							-24.86	
Plath Form Area							12.80	
For Gagibo	1	3.95	4.05	4.05	4.05	0.80	136.21	
	2	56.75				1.20		
						Total Qty Work Done	**158.26**	**Cum**
						Qty Payable in this bill	**158.26**	**Cum**

Contractor Representative

SAPIENCE CONSULTANTS BANGALORE

Consultant's Representative

09/01/2024

Assistant Engineer
Ward No 17

09/01/2024

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No:	46	Measurement Sheet First and Part
		05/01/2021
Item Name:		Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
For Basemennt								
Plint Area								
For Gagibo		1	4.00	3.80	3.80	3.80	15.20	
		2		56.75			113.50	
						Total Qty Work Done	128.70	Sqm
						Qty Payable in this bill	128.70	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

05/01/2021

Assistant Engineer
Ward No 17

05/01/2021

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No:	47	Measurement Sheet First and Part
		09/02/2021
Item Name:	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregetes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement a as per the direction of Engineer in charge								

CHAINAGE Land Mark		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
Plinth									
Long Wall		2	4.25	0.45	0.45	0.45	0.45	1.72	
Short Wall		2	4.65	0.45	0.45	0.45	0.45	1.88	
							Total Qty Work Done	3.60	Cum
							Qty Payable in this bill	3.60	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

09/02/2021

Assistant Engineer
Ward No 17

09/02/2021

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanag-

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 48 — 09/02/2021

Item Name: Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum. with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 as per the direction of Engineer in charge

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Beam								
Main Beam	2	4.25	0.20	0.20	0.20	0.45	0.77	
Secoundary Beam	2	4.65	0.20	0.20	0.20	0.45	0.84	
Lintel								
Allaround Wall	1	3.40	0.23	0.23	0.23	0.20	0.16	
Rcc Slab								
	1	5.60	4.70	4.70	4.70	0.15	3.95	
						Total Qty Work Done	5.71	Cum
						Qty Payable in this bill	5.71	Cum

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Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

19/02/2021

Assistant Engineer
Ward No 17

09/03/2021

Asst. Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
Yashwanthapura Sub-Division
Bruhat Bangalore Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 49 ✓ 29/01/2021

Item Name: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2as per the direction of Engineer in charge

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Plinth								
Long Wall	4	4.25				0.45	7.65	
Short Wall	4	4.65				0.45	8.37	
Beam								
Main Beam	4	4.25				0.45	7.65	
Secoundary Beam	4	4.65				0.45	8.37	
Lintel								
Allaround Wall	2	3.40				0.20	1.36	
						Total Qty Work Done	33.40	Sqm
						Qty Payable in this bill	33.40	Sqm

Contractor Representative

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

29/01/2021

Assistant Engineer
Ward No 17

29/01/2021

Asst. Executive Engineer
Yashwanthapura Sub Division
Bruhat Bangalore Mahan-

Asst. Executive Engineer
Yeshwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No:	50	29/01/2024

Item Name: KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.

as per the direction of Engineer in charge

CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Rcc Slab									
		1	5.60	4.70	4.70	4.70		26.32	
							Total Qty Work Done	26.32	Sqm
							Qty Payable in this bill	26.32	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

29/01/2024

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara

29/01/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 51 — 29/01/2021

Item Name: Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Rec Slab									
		2	5.60				0.15	1.68	
		2	4.70				0.15	1.41	
							Total Qty Work Done	3.09	Sqm
							Qty Payable in this bill	3.09	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

29/01/2021

Assistant Engineer
Ward No 17

29/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthpura Sub-Div...
Bruhat Bangalore Mahana...

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No:	52 ✓	Measurement Sheet First and Part 06/02/2021
Item Name:	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 550 as per the direction of Engineer in charge	

CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
									✓
							Total Qty Work Done	0.00	Cum
							Qty Payable in this bill	0.00	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

Asst. Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthapura Sub-Division
Bruhat Bangalore Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No:	53	13/01/2021

Item Name: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Long Wall		2	4.40				3.20	28.16	
Short Wall		2	4.50				3.20	28.80	
Parapet Wall		1	18.72				0.60	11.23	
Deduction									
Shutter		-1	3.40				2.10	-7.14	
V		-2	0.80				0.45	-0.72	
							Total Qty Work Done	60.33	Sqm
							Qty Payable in this bill	60.33	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

13/01/2021

Assistant Engineer
Ward No 17

13/01/2021

Asst Executive Engineer
Yashwanthapura Sub-Division

Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahana-

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 54

15/01/2021

Item Name: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding. including cost of materials, labour, curing complete as per specifications. as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BT (m)	Avg B (m)	D (m)	QTY	REMARKS
Outside									
		1	18.72				4.40	82.37	
Deduction									
Shutter		-1	3.40				2.10	-7.14	
V		-2	0.80				0.50	-0.80	
						Total Qty Work Done		74.43	Sqm
						Qty Payable in this bill		74.43	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

15/1/2021

Assistant Engineer
Ward No 17

15/01/2021

Asst Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara...

Asst Executive Engineer
Yeshwanthpura Sub Division

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